

MEMORANDUM

TO: Vermont Children's Performance Indicator Project Advisory Group

FROM: John Pandiani
Brad James
Fred Ober

DATE: September 11, 1997

RE: SRS and EBD/IEP Caseload Overlap

This week's Children's Services Performance Indicator report is the third in a series focusing on caseload overlap among community mental health, special education, and SRS caseloads. This week's analysis focuses on the caseload overlap between SRS and young people on an IEP for an emotional behavioral disorder.

As you review these data on caseload overlap, we will be particularly interested in your comments on the quality of the data, the appropriateness of the analysis, and the effectiveness of the presentation of these data, as well as your interpretation of the results.

SRS AND EBD/IEP CASELOAD OVERLAP

QUESTION: How many of the children and adolescents served by SRS are also on an IEP for an emotional behavioral disorder statewide and in each of Vermont's regional community mental health service areas?

DATA: A data file describing all children and adolescents who were on the SRS caseload during FY1996 was obtained from SRS. Data items used in this analysis include student date of birth, gender, and disability code. The SRS database extract does not include a unique person identifier.

A data file describing all children and adolescents who were on IEPs on December 1, 1995, was obtained from the Vermont Department of Education. These data were collected as part of the 1995 Child Count Data project. Data items used in this analysis include student date of birth, gender, and disability code. The Child Count Data Set does not include a unique person identifier although each record is a unique individual. Thirty-four children and adolescents on an EBD/IEP were excluded from the analysis because they were out-of-state, in correctional facilities, parochial schools, or home tutoring and could not be assigned to a community mental health service area.

METHOD: Because the data sets do not include a common person identifier, Probabilistic Population Estimation¹ was used to derive unduplicated numbers of individuals represented in both data sets. Results of this probabilistic estimation are presented with point estimates and 95% confidence intervals. For purposes of verification, probabilistic estimates were compared to actual Education Department client counts. The 95% confidence interval included the actual count in every case.

RESULTS: During the period covered by this analysis, SRS served an estimated 3,842 children and adolescents under 22 years of age in Vermont while 1,445 individuals were on an EBD/IEP. Both programs served approximately 435 individuals. This caseload overlap accounted for approximately 11% of the SRS caseload and approximately 30% of the children and adolescents on an EBD/IEP.

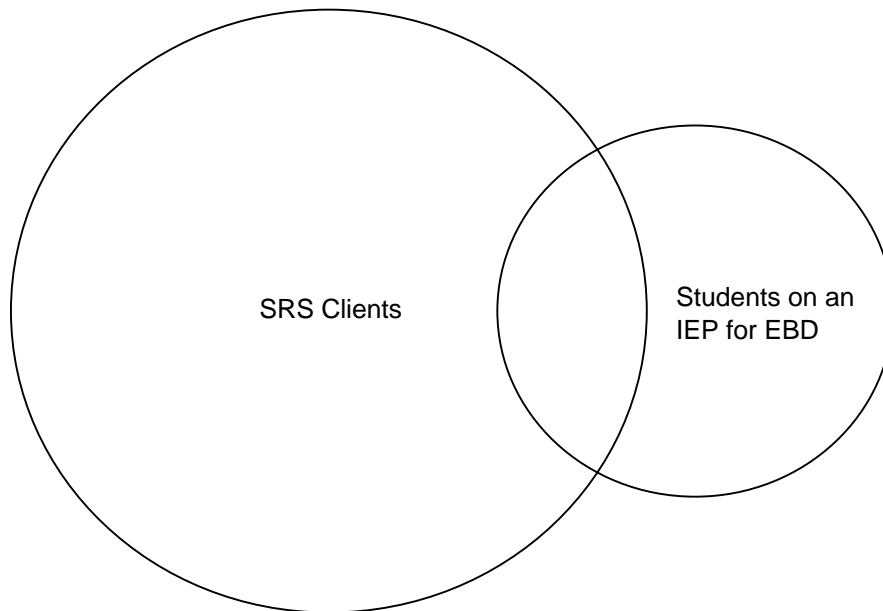
The Bennington and Washington county mental health service areas had the largest percentage of SRS clients on an IEP for an emotional behavioral disorder ($13\% \pm 2\%$ and $11\% \pm 1\%$, respectively). The Orange service area had the lowest percentage of SRS clients on an EBD/IEP ($4\% \pm 1\%$) followed by the Addison, Franklin, and Southeast service areas ($6\% \pm 1\%$ each).

The Washington service area had the largest percentage of children and adolescents on an EBD/IEP and also served by SRS, followed by Bennington ($29\% \pm 3\%$ and $28\% \pm 3\%$, respectively). Addison had the lowest percentage of EBD/IEP individuals also served by SRS ($12\% \pm 3\%$), followed by the Orange service area ($14\% \pm 2\%$).

NEXT QUESTIONS: Does the unduplicated count of children and adolescents served by SRS, mental health, and special education programs vary among community mental health service areas in Vermont? What proportion of SRS clients on an EBD/IEP in each of Vermont's service areas are also served by their local CMHC? How many children and adolescents on the SRS caseload with an EBD/IEP were served by Developmental Services, Substance Abuse, or other programs at CMHCs in Vermont?

¹For more detail see Pandiani JA and Banks SM: A Global Measure of Access to Mental Health Services for a Managed Care Environment. The Journal of Mental Health Administration (24:3) summer, 1997, or Banks SM and Pandiani JA: The Utilization of State and General Hospitals for Inpatient Care. American Journal of Public Health, forthcoming.

SRS CASELOAD OVERLAP WITH CHILDREN AND ADOLESCENTS ON AN EBD/IEP, FY1996



Number of Children and Adolescents Served

SRS clients	3,842 \pm 59
Special Education students with an EBD	1,445

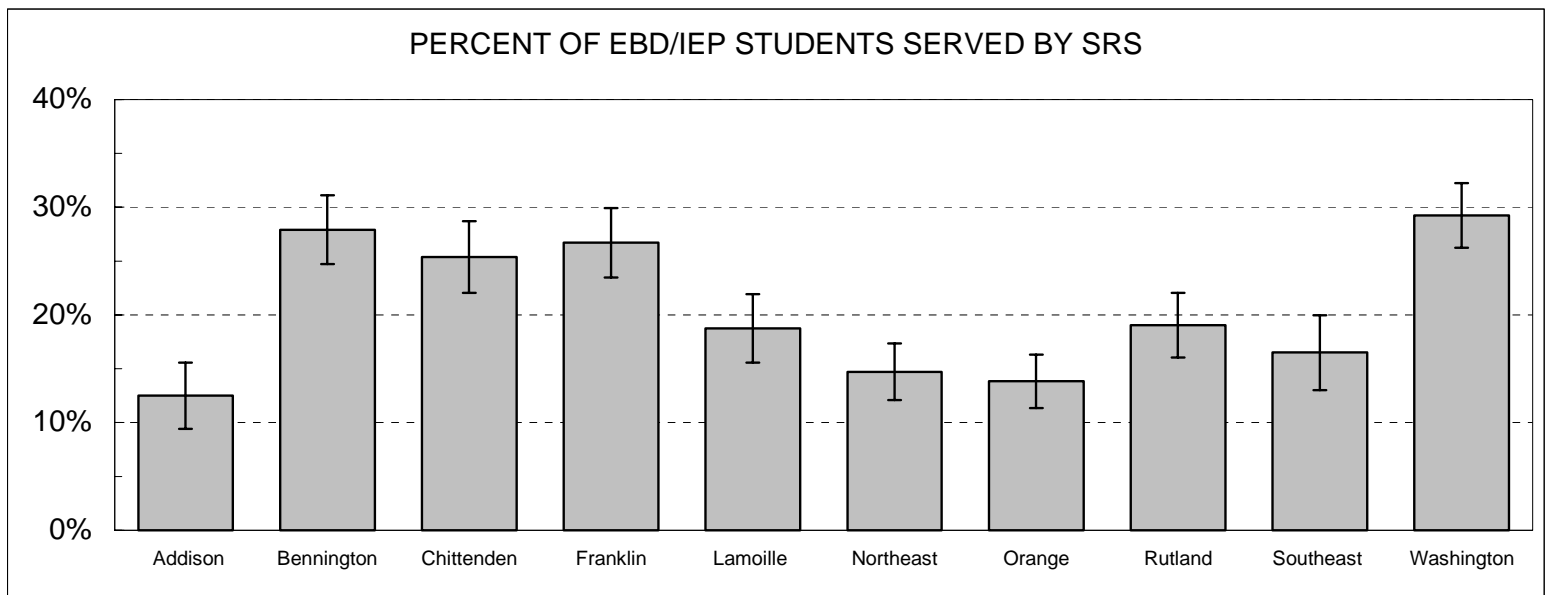
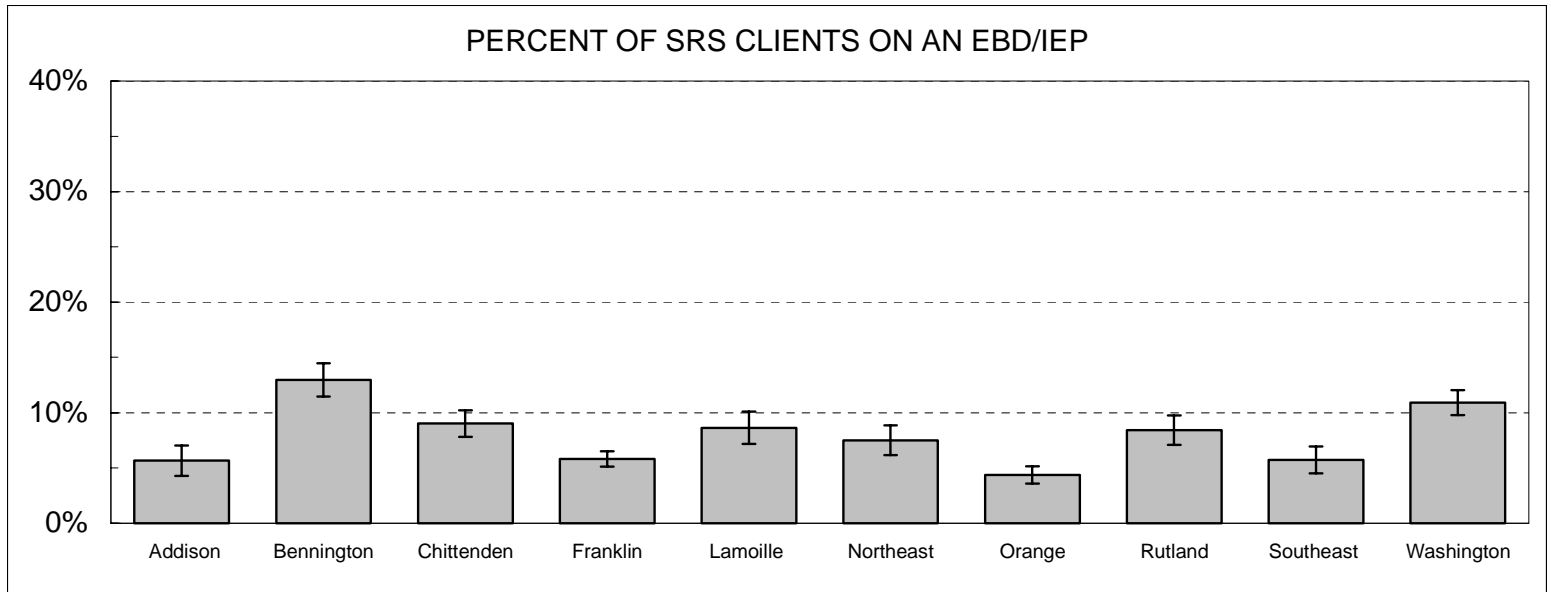
Children and Adolescents Shared

Number	435 \pm 50
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Percent of SRS clients with an EBD	11% \pm 1%
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Percent of individuals on an EBD/IEP served by SRS	30% \pm 3%
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SRS CASELOAD OVERLAP WITH CHILDREN AND ADOLESCENTS ON AN EBD/IEP, FY1996



Region/Provider	Number Served			Caseload Overlap ¹		
	SRS Clients	EBD/IEP Individuals		overlap	% of SRS Clients	% of EBD/IEP
	Estimate ¹	Actual ²	Estimate ¹			
Addison - CSAC	170 ± 3	77	78 ± 2	10 ± 2	6% ± 1%	12% ± 3%
Bennington - UCS	267 ± 4	124	126 ± 3	35 ± 4	13% ± 2%	28% ± 3%
Chittenden - HCHS	918 ± 13	326	326 ± 6	83 ± 11	9% ± 1%	25% ± 3%
Franklin - FGI	516 ± 7	112	114 ± 2	30 ± 4	6% ± 1%	27% ± 3%
Lamoille - LCMHS	141 ± 2	65	65 ± 2	12 ± 2	9% ± 1%	19% ± 3%
Northeast - NEK	349 ± 5	178	180 ± 3	26 ± 5	8% ± 1%	15% ± 3%
Orange - CMC	254 ± 4	80	80 ± 2	11 ± 2	4% ± 1%	14% ± 2%
Rutland - RACS	355 ± 5	157	156 ± 3	30 ± 5	8% ± 1%	19% ± 3%
Southeast - HCRSSV	560 ± 8	194	196 ± 4	32 ± 7	6% ± 1%	16% ± 3%
Washington - WCMHS	354 ± 5	132	132 ± 3	39 ± 4	11% ± 1%	29% ± 3%

¹ Based on Probabilistic Population Estimation; includes 95% confidence interval.

² Based on data from the 1995 Child Count Data Project, compiled by the Vermont Department of Education.